## **Missouri End-of-Course Blueprints**

A test blueprint is a map and or a table of specifications for an assessment program to identify the structure of the assessment which ensures that the Missouri Learning Standards Expectations are covered by the assessment program over a specified period of time. The blueprint links the assessment to the content areas acting as a tool to align objectives to the appropriate weight and questions across the strands.

Blueprints provide the essential planning materials for the assessment development process. The test blueprints are used to guide and target specific item development and writing as well as the form assembly. The blueprint along with item specifications, performance—level descriptors and the practice and processes documents provide strong content validity and reliability for the assessment system.

Assessments may contain selected response (SR) items, constructed response (CR) items, writing tasks (WT) and/or technology enhanced (TE) items (e.g. drag and drop, drop-down menu, matching, select answers, hot spot, etc.)

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## **Mathematics**

### **Groupings**

- Category Represent a group / groups of similar content standards / expectations within each grade and content area
- Code Represents the standard code for the Missouri learning Standard
- Domain Represents the core principles of what the students have been taught and have learned
- Point Range Identifies the points possible for the reporting strand
- Range of Emphasis Identifies the percentage of the assessment in the reporting strand

### **ALGEBRA I Blueprint**

Category	Code	Domain	Point Range	Range Of Emphasis	
	SSE	Seeing Structure In Expressions			
Algobra	APR	Arithmetic With Polynomials And Rational Expressions	18 – 22	37 – 43%	
Algebra	CED	Creating Equations And Inequalities	10-22	37 – 43%	
	REI	Reasoning With Equations And Inequalities			
	IF	Interpreting Functions			
Functions	BF	Building Functions	18 – 22	37 – 43%	
	LQE	Linear, Quadratic And Exponential Models			
Number &	NQ	Number And Quantity	8 – 12	17 – 23%	
Data	DS	Data And Statistics	8 – 12	17 – 23%	
Performance Event: Each year the performance event may align to any specific conceptual category or to a					
	group of them. The performance event is worth 10 points.				
	Total 50				

#### **ALGEBRA II Blueprint**

Category	Code	Domain	Point Range	Range Of Emphasis
	APR	Arithmetic With Polynomials And Rational Expressions		
Algebra	REI	Reasoning With Equations And Inequalities	25 – 28	50 – 60%
	SSE	Seeing Structure In Expressions		
	IF	Interpreting Functions		
Functions	BF	Building Functions	11 – 14	22 – 28%
	FM	Modeling With Functions, Or Functions And Modeling		
Number &	NQ	Number And Quantity	10 12	20 240/
Data	DS	Data And Statistics	10 – 12	20 – 24%
<b>Performance Event:</b> Each year the performance event may align to any specific conceptual category or to a group of them. The performance event is worth 10 points.				
<b>Total</b> 50 100%				

## **Mathematics**

### **Groupings**

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- Point Range Identifies the points possible for the reporting strand
- Range of Emphasis Identifies the percentage of the assessment in the reporting strand

### **GEOMETRY Blueprint**

Category	Code	Domain	Point Range	Range Of Emphasis	
Congruence /	СО	Congruence			
Similarity,	SRT	Similarity, Right Triangles And Trigonometry	22 25	C4 700/	
Coordinate Geometry &	С	Circles	32 – 35	64 – 70%	
Circles	GPE	Expressing Geometric Properties With Equations			
Geometric Measurement	GMD	Geometric Measurement And Dimension	6 – 10	12 – 20%	
& Modeling	MG	Modeling With Geometry	6 – 10	12 – 20%	
Statistics & Probability	СР	Conditional Probability And The Rules Of Probability	6 – 10	12 – 20%	
Performance I	<b>Performance Event:</b> Each year the performance event may align to any specific conceptual category or to a group of them. The performance event is worth 10 points.				
	<b>Total</b> 50 100%				

# **English Language Arts**

#### Groupings

- **Reporting Category** Represent a group / groups of similar content standards / expectations within each grade and content area
- Strand/Domain Larger groups of content standards/expectations that are closely related
- Theme/Big Idea Represents the core principles of what the students have been taught and have learned
- Point Range Identifies the points possible for the reporting category
- Range of Emphasis Identifies the percentage of the assessment to the reporting category

### **ENGLISH I Blueprint**

Category	Strand/Domain	Theme/Big Idea	Point Range	Range Of Emphasis
	Reading Literary Texts	Comprehend And Interpret Texts		
Reading		Analyze Craft And Structure	15	30%
	i exes	Synthesize Ideas From Texts		
	Reading	Comprehend And Interpret Texts		
Reading	Informational	Analyze Craft And Structure	15	30%
	Texts	Synthesize Ideas From Texts		
NA/withing an	Maria in a	Development (Process/Production) 4 points for Development and Elaboration 4 points for Organization and Flow	20	400/
Writing	Writing	Research	20	40%
		Revise And Edit		
		2 points will be associated with Conventions		
	Total			

#### **ENGLISH II Blueprint**

Category	Strand/Domain	Theme/Big Idea	Point Range	Range Of Emphasis
	Reading Literary Texts	Comprehend And Interpret Texts		30%
Reading		Analyze Craft And Structure	15	
		Synthesize Ideas From Texts		
	Reading Informational Texts	Comprehend And Interpret Texts	15	30%
Reading		Analyze Craft And Structure		
		Synthesize Ideas From Texts		
M/vitin a	NA/within or	Development (Process/Production) 4 points for Development and Elaboration 4 points for Organization and Flow	20	40%
Writing	Writing	Research	20	
		Revise And Edit		
		2 points will be associated with Conventions		
		Total	50	100%

## **Science**

### **Groupings**

- **Reporting Category** Represent a group / groups of similar content standards / expectations within each grade and content area
- Concept Represents the core principles of what the students have been taught and have learned
- **Point Range** Identifies the points possible for the reporting category
- Range of Emphasis Identifies the percentage of the assessment to the reporting category

#### **BIOLOGY Blueprint**

Category	Domain	Point	Range Of
		Range	<b>Emphasis</b>
From Molecules To	Structure And Function		
Organisms: Structure And	Growth And Development Of Organisms	11 – 15	22 – 30%
Process	Organization For Matter And Energy Flow In Organisms		
Ecosystems: Interactions	Interdependent Relationships In Ecosystems		
Ecosystems: Interactions, Energy, And Dynamics	Cycles Of Matter And Energy Transfer In Ecosystems	8 – 12	16 – 24%
Energy, And Dynamics	Ecosystem Dynamics, Functioning And Resilience		
Heredity: Inheritance And	Inheritance Of Traits	11 – 15	22 – 30%
Variation Of Traits	Variation Of Traits	11 – 15	22 – 30%
Riological Evolution: Unity	Evidence Of Common Ancestry And Diversity		
Biological Evolution: Unity  And Diversity	Natural Selection	11 – 15	22 – 30%
And Diversity	Adaption		
	Biogeology		
Earth And Human Activity	Natural Resources	3 – 6	6 – 12%
Lartif And Human Activity	Human Impacts On Earth's Systems	3-0	0-12/6
	Global Climate Change		
Total			100%

### **PHYSICAL SCIENCE Blueprint**

Category	Domain	Point Range	Range Of Emphasis
	Structure And Properties Of Matter		
Matter And Its Interactions	Chemical Reactions	12 – 16	24 – 32%
	Nuclear Process		
Motion And Stability:	Forces And Motion	12 – 16	12 220/
Forces And Interactions	Types Of Interactions	12 – 16	12 – 32%
	Definitions Of Energy		
Enormy	Conservation Of Energy And Energy Transfer	12 – 16	12 220/
Energy	Relationships Between Energy And Forces	12-16	12 – 32%
	Wave Properties		
	The Universe And Its Stars		
Earth And The Universe	Earth And The Solar System	6 – 9	12 – 18%
	Earth Materials And Systems		
Total			100%

## **Social Studies**

#### **Groupings**

- **Reporting Category** Represent a group / groups of similar content standards / expectations within each grade and content area
- Concept Represents the core principles of what the students have been taught and have learned
- Point Range Identifies the points possible for the reporting category
- Range of Emphasis Identifies the percentage of the assessment to the reporting category

### **AMERICAN HISTORY Blueprint**

Category	Domain	Point	Range Of
		Range	<b>Emphasis</b>
	History: Continuity And Change		
Tools Of Social Science	Government Systems And Principals		
Inquiry	Geographic Study	8 – 10	16 – 20%
mqui y	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		
	Government Systems And Principals		
Re-Emerging America	Geographic Study	8 – 10	16 – 20%
	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		
	Government Systems And Principals		16 – 20%
Emerging Globally	Geographic Study	8 – 10	
	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		16 – 20%
The Coast Decreesies And	Government Systems And Principals		
The Great Depression And WWII	Geographic Study	8 – 10	
VV VVII	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		
	Government Systems And Principals		
The American Stage	Geographic Study	8 – 10	16 – 20%
	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		
	Government Systems And Principals	1	
Contemporary America	Geographic Study	8 – 10	16 – 20%
	Economic Concepts		
	People, Groups, And Cultures		
	Total	50	100%

## **Social Studies**

#### **Groupings**

- **Reporting Category** Represent a group / groups of similar content standards / expectations within each grade and content area
- Concept Represents the core principles of what the students have been taught and have learned
- Point Range Identifies the points possible for the reporting category
- Range of Emphasis Identifies the percentage of the assessment to the reporting category

#### **GOVERNMENT Blueprint**

Category	Domain	Point Range	Range Of Emphasis
	History: Continuity And Change		
Tools Of Social Science	Government Systems And Principals		
Inquiry	Geographic Study	10 – 12	20 – 24%
inquiry	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		
	Government Systems And Principals		
Historical Foundations	Geographic Study	10 – 12	20 – 24%
	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		26 – 34%
	Government Systems And Principals		
Structure Of Government	Geographic Study	13 – 17	
	Economic Concepts		
	People, Groups, And Cultures		
	History: Continuity And Change		
	Government Systems And Principals		
Government In Action	Geographic Study	13 – 17	26 – 34%
	Economic Concepts		
	People, Groups, And Cultures		
	Total	50	100%

# **Personal Finance**

### **PERSONAL FINANCE Blueprint**

Category	Domain	Point	Range Of
		Range	<b>Emphasis</b>
	Unlimited Wants And Limited Resources		
Financial Decision Mobins	Choice And Decision Making		
Financial Decision Making / Earning Income	Career Choices And Consequences	10 – 12	20 – 24%
/ Larring income	Forms Of Compensation		
	Taxes And Other Deductions		
	Creating A Budget		
Puning Goods And Sorvices	Purchasing Items Of High Value	10 – 12	20 – 24%
Buying Goods And Services	Considering Alternative Goods And Services	10-12	
	Selecting Financial Institutions		
	Reasons For Saving		26 – 34%
	Interest On Savings		
Savings / Using Credit	Saving Instruments	13 – 17	
Savings / Osing Credit	Facets Of Credit	13-17	20 – 34%
	Interest On Credit		
	Credit Worthiness		
	Protecting Against Financial Risk By Insuring		
Protecting And Insuring / Financial Investing	Protecting Personal Identity	13 – 17	26 – 34%
	Investment Instruments	13 – 17	20 - 34%
	The Relationship Between Risk And Reward Points		
	Total	50	100%